Name: Date:

Check if Relation is a Function (12 pts classwork, version 49)

1. A relation is expressed as a list of (x, y) ordered pairs.

$$(1,6) \quad (7,5) \quad (6,8) \quad (1,2) \quad (7,7) \quad (9,5)$$

- Is y a function of x? Why or why not?

no

- Is x a function of y? Why or why not?

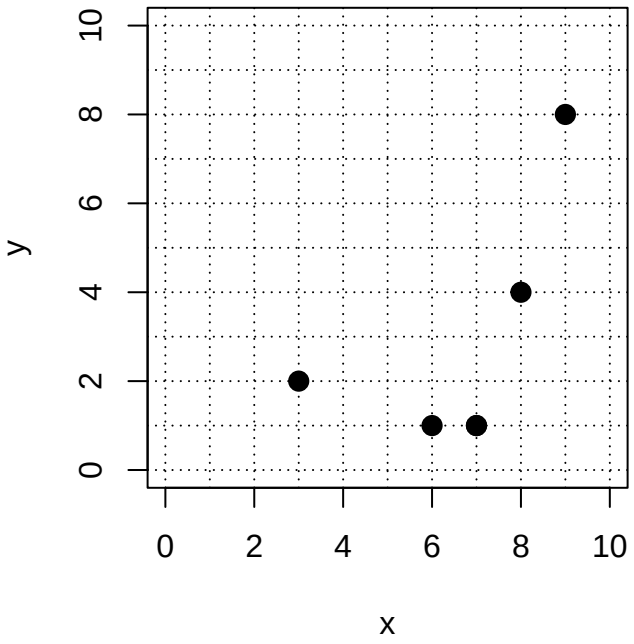
no

- One-to-one function? Why or why not?

no

---

2. A relation is shown as points on a graph.



- Is y a function of x? Why or why not?

yes

- Is x a function of y? Why or why not?

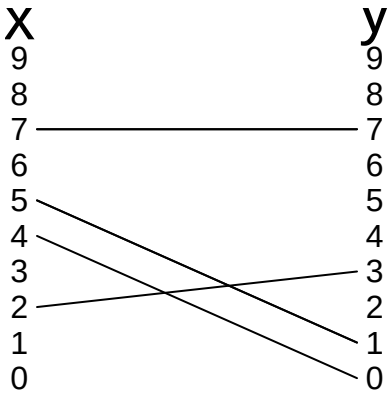
no

- One-to-one function? Why or why not?

no

Check if Relation is a Function (version 49)

3. A relation is shown with segments connecting elements of two sets.



- Is y a function of x? Why or why not?

yes

- Is x a function of y? Why or why not?

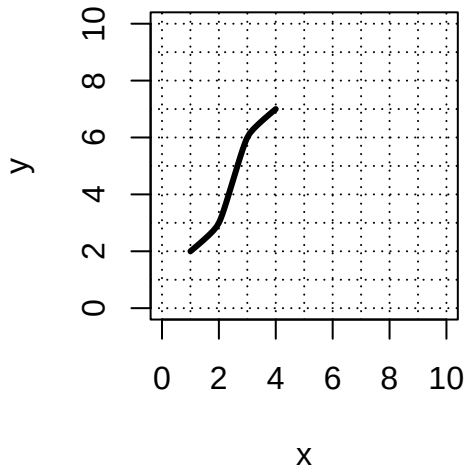
yes

- One-to-one function? Why or why not?

yes

---

4. A relation is shown as a curve plotted on an x, y



- Is y a function of x? Why or why not?

yes

- Is x a function of y? Why or why not?

yes

- One-to-one function? Why or why not?

yes